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Title: A comparison of measures of access to child health clinics and the implications for modelling the location of new clinics.

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Holman, C. D'Arcy J.[1]
de Klerk, Nicholas H.[1]

Source: Australian & New Zealand Journal of Public Health; Apr99, Vol. 23 Issue 2, p189-196, 7p, 4 charts, 1 diagram, 2 graphs

Document Type: Article

Subject Terms: CHILD health services
CHILDREN -- Hospitals
HEALTH services accessibility
PEDIATRIC clinics
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Geographic Terms: WESTERN Australia

NAICS/Industry Codes622110 General Medical and Surgical Hospitals
622310 Specialty (except Psychiatric and Substance Abuse) Hospitals
621111 Offices of Physicians (except Mental Health Specialists)

Abstract: The article focuses on a research study, which determines whether measurement of access to existing child health clinics, and modelled location of new clinics, was affected by the spatial definitions of the target population. Addresses of the 140 child health clinics operating in 1992 were provided by the Health Department of Western Australia; 138 of the clinics were within the Perth region and two were outside, but accessible from within the region. Each child health clinic address was linked, using MapInfo software, to a previously geocoded reference file containing street address ranges. An important result that has been demonstrated in this study is that the placement of new clinics using coarsely generated distances will locate clinics such that access for the target group is not optimised. 30 new clinics could be located equally efficiently by minimizing the sum of the distances from households. However, if clinics were located using centroids of postcodes the population would have markedly inferior access; it could entail more than 37,000 km of extra travel with an additional 10% of babies having to travel for more than 2 km.

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Title:	TIGER ... groomed, ready to run, soon to be unleashed
Authors:	Wilcox, F[1]
Source:	CD-ROM Professional; Jun 1991, Vol. 6 Issue 6, p29-32, 4p
Document Type:	Article
Subject Terms:	DATABASES GEOGRAPHY
Author-Supplied Keywords:	Census Encoding
Abstract:	This article describes the Topologically Integrated Geographic Encoding and Referencing System (TIGER), developed by the US Bureau of the Census in cooperation with the US Geological Survey. TIGER is the first computer-readable map and geographic database for the entire United States. The history and significance of TIGER are discussed. Applications are outlined and include business, geocoding, government, mapping, transportation, and land area and geographic centroids.
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